

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number
WO 2004/095422 A3

(51) International Patent Classification⁷: **H04M 3/53, 3/51**

(21) International Application Number:
PCT/GB2004/001738

(22) International Filing Date: 22 April 2004 (22.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0309088.3 22 April 2003 (22.04.2003) GB
0313615.7 12 June 2003 (12.06.2003) GB

(71) Applicant (for all designated States except US): **SPINVOX LIMITED** [GB/GB]; Twisden Works, Twisden Road, London NW5 1DN (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **DOULTON, Daniel, Michael** [GB/GB]; Spinvox Limited, Twisden Works, Twisden Road, London NW5 1DN (GB).

(74) Agent: **ORIGIN LIMITED**; 52 Muswell Hill Road, London N10 3JR (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

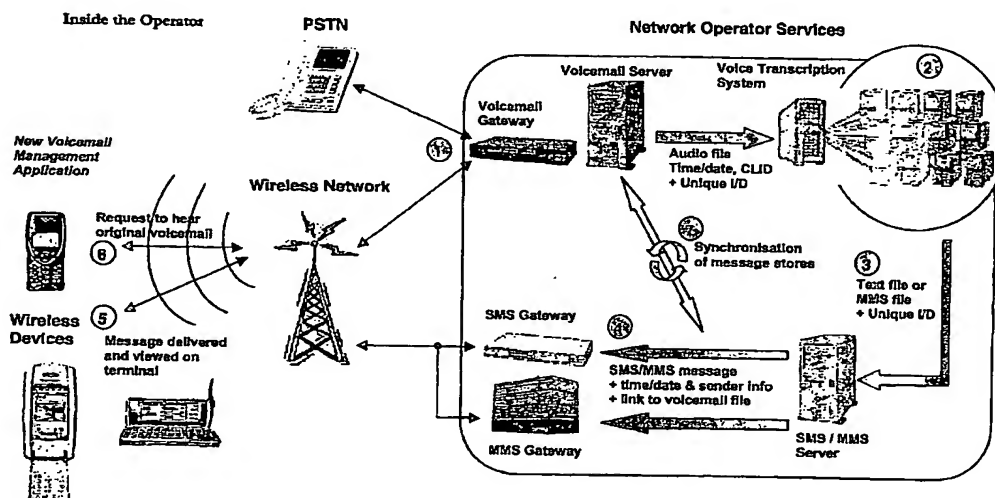
Published:

— with international search report

(88) Date of publication of the international search report:
12 May 2005

[Continued on next page]

(54) Title: **OPERATOR PERFORMED VOICEMAIL TRANSCRIPTION**



(57) Abstract: A spoken message that a user wishes to have converted to a SMS or MMS message is received at a voicemail server and converted to an audio file format; it is then sent or streamed over a wide area network to a voice to text transcription system comprising a network of computers. One of the networked computers plays back the voice message to an operator and the operator intelligently transcribes the actual message from the original voice message by entering the corresponding text message (actually a succinct version of the original voice message, not a verbose word-for-word conversion) into the computer to generate a transcribed text message. The transcribed text message is then sent to the wireless information device from the computer as a SMS or MMS text message. Because human operators are used instead of machine transcription, voicemails are converted accurately, intelligently, appropriately and succinctly into text messages (SMS/MMS).



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

.../GB2004/001738

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04M3/53 H04M3/51

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 712 901 A (MEERMANS DAVID R) 27 January 1998 (1998-01-27)	1,3-17
Y	column 4, line 52 - column 6, line 65	2
Y	GB 2 334 404 A (NOVELERA LIMITED) 18 August 1999 (1999-08-18) page 2, line 1 - line 6 figures 2,3	2
X	WO 02/23872 A (YAHOO INC) 21 March 2002 (2002-03-21) page 3, line 31 - page 4, line 9	1,3-17
X	US 5 163 081 A (WYCHERLEY BRUCE D ET AL) 10 November 1992 (1992-11-10) claim 1	1
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

4 January 2005

Date of mailing of the international search report

22.02.2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Schweitz, M

INTERNATIONAL SEARCH REPORT

Inventor's Name
PCT/GB2004/001738

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 507 643 B1 (GRONER GABRIEL F) 14 January 2003 (2003-01-14) cited in the application column 2, line 54 - line 67 -----	1-17
A	KOURNPIS K ET AL: "An advanced integrated architecture for wireless voicemail data retrieval" PROCEEDINGS. INTERNATIONAL CONFERENCE ON INFORMATION NETWORKING, XX, XX, 31 January 2001 (2001-01-31), pages 403-410, XP010534302 the whole document -----	1-17
A	US 5 121 421 A (ALHEIM CURTIS C) 9 June 1992 (1992-06-09) column 3, line 10 - line 19 -----	1-17

INTERNATIONAL SEARCH REPORT

national application No.
PCT/GB2004/001738

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No. PCT/ GB2004/ 001738

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12, 13 (insofar as dependent on claims 2-12), 14 on page 38 as originally filed (insofar as dependent on claims 2-12), 14 on page 39 as originally filed (insofar as dependent on claims 2-12), 15 and 17 (insofar as dependent on claims 2-12)

Adding the time and date to the transcribed text message, when the voicemail was received.

2. claims: 14 on page 39 as originally filed (insofar as dependent on claim 1), 15 and 17 (insofar as dependent on claim 14 on page 39 as originally filed)

Parsing a transcribed text message and using the parsed data in an application on a wireless information device.

3. claims: 13 (insofar as dependent on claim 1), 14 on page 38 as originally filed (insofar as dependent on claim 13), 14 on page 39 as originally filed (insofar as dependent on claim 13) and 17 (insofar as dependent on claim 13)

Manual or automated identification of the message recipients name and subsequent look-up of a network identifier of that recipient.

4. claim: 14 on page 38 as originally filed (insofar as dependent on claim 1) and 17 (insofar as dependent on claim 14 on page 38 as originally filed).

The text message format specified by the user of the wireless information device.

INTERNATIONAL SEARCH REPORT

Information on patent family members

In International Application No
PCT/GB2004/001738

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5712901	A	27-01-1998	AU 3506197 A CA 2258613 A1 EP 0906686 A1 JP 2000513528 T WO 9750228 A1	14-01-1998 31-12-1997 07-04-1999 10-10-2000 31-12-1997
GB 2334404	A	18-08-1999	NONE	
WO 0223872	A	21-03-2002	US 6580786 B1 AU 9327201 A WO 0223872 A1	17-06-2003 26-03-2002 21-03-2002
US 5163081	A	10-11-1992	NONE	
US 6507643	B1	14-01-2003	AU 4369501 A WO 0169905 A1	24-09-2001 20-09-2001
US 5121421	A	09-06-1992	AU 649508 B2 AU 9100291 A CA 2096968 A1 EP 0561956 A1 WO 9210900 A1 US 5450470 A US 5253285 A	26-05-1994 08-07-1992 14-06-1992 29-09-1993 25-06-1992 12-09-1995 12-10-1993